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AMERICAN MATHEMATICAL SOCIETY

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Notices

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AMERICAN MATHEMATICAL SOCIETY

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CALENDAR OF MEETINGS

Meeting No.	Date	Place	Deadline for Abstracts
516	August 30–September 2, 1955 (60th Summer Meeting)	Ann Arbor Michigan	July 18
517	October 22, 1955	College Park, Maryland	Sept. 8
518	November 18–19, 1955	Knoxville, Tennessee	Oct. 15*
	November 25–26, 1955	Milwaukee, Wisconsin	Oct. 15*
	(Date not set)	Far West (place not set)	*
	December 27–30, 1955 (62nd Annual Meeting)	Houston, Texas	Nov. 14

* Provisional

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FIVE HUNDRED FIFTEENTH MEETING

Vancouver, Canada

June 18, 1955

PROGRAM

The five hundred fifteenth meeting of the American Mathematical Society will be held at the University of British Columbia, Vancouver, Canada, on Saturday, June 18, 1955. In conjunction with it will be a meeting of the Pacific Northwest Section of the Mathematical Association of America on Friday, June 17. *All sessions will be held in Room 201, Physics Building. All times given below are Pacific Daylight Saving Time.*

By invitation of the Committee to Select Hour Speakers for Far Western Sectional Meetings, Professor Iacopo Barsotti of the University of Pittsburgh and University of Southern California will address the Society at 2:00 P.M. on *Algebraic group-varieties.*

A session for contributed papers will be held at 9:30 A.M. A session for late papers will be arranged if necessary, details to be available at the registration desk at the main entrance to the Physics Building.

The meeting of the Mathematical Association of America will include an address on *Statistical decisions* by Professor E. S. Keeping of the University of Alberta, and a symposium on *Freshman Mathematics.* Participants in the symposium will be Professors S. G. Hacker, State College of Washington, Edwin Hewitt, University of Washington, A. F. Moursund, University of Oregon, and M. S. Knebelman, moderator, State College of Washington.

ROOMS, MEALS, TRAVEL

There will be a dinner on Friday evening at 6:30 P.M. in Brock Hall. The price is $2.50, and $1.25 for children under eleven. Tickets must be secured at the time of registration. The dinner will be followed by a business meeting of the Association, and by a social evening in the Brock Hall Lounge.

Dormitory accommodations (normally two to a room) will be available on the campus in the Youth Training Camp, Acadia Road, for Thursday,

Friday, and Saturday nights at $1.50 per person per night. Families can also be accommodated at the Youth Training Camp. Meals will be served in the Youth Training Camp at fifty cents for breakfast, sixty cents for lunch, and seventy-five cents for dinner.

It is urgently requested that those who desire dormitory accomodations, and also those who wish to attend the dinner on Friday night, should send advance information to that effect to Professor T. E. Hull, Department of Mathematics, University of British Columbia, Vancouver 8, B. C., Canada. Reservations should be mailed so as to reach Professor Hull by Monday, June 13. The reservation information should include the following:

(1) Number of persons requiring dormitory accommodations, their sex and relationships to each other, number and ages of children.

(2) Number of adults planning to attend the dinner at $2.50 per plate, and number of children under eleven at $1.25 per plate. Specify whether a fish dinner or a meat dinner is desired. (Note that the dinner is on Friday night.)

(3) Date and approximate time of arrival and of departure, and method of transportation.

Those who prefer to stay at hotels or motels should make their own reservations. Recommended hotels are the Vancouver (900 West Georgia, $6.50–$10.50 single, $9.00–$15.00 double) and the Buchan (1906 Haro, $3.50 (without bath), $4.00 (without bath) – $6.00) downtown and the Sylvia (1154 Gilford, $4.00 and up, $6.50–$8.00) in the English Bay area. Recommended motels are the Downtowner (667 Thurlow, $8.50, $10.00) downtown, the Kamlo Apt. Motor Hotel (1150 Denman, $7.50 and up, $8.50 and up) in the English Bay area, and the Buena Motor Court (3925 Kingsway, $4.00–$6.00, $5.00–$7.00) between New Westminster and Vancouver. Except where otherwise stated, all prices include bath or shower, and, for the motels, kitchenette and free parking.

Vancouver can be reached from Seattle by air, by the Great Northern Railway, or by Canadian Pacific steamship. Those travelling by car are advised to follow Highway 99, which enters Vancouver via Kingsway, and to turn left off Highway 99 at Broadway (9th Avenue). Travel west on Broadway about two and a half miles and then west on 10th Avenue. At the western City limits are the University gates where 10th Avenue becomes University Boulevard and leads directly to the University. For the Youth Training Camp, turn sharply left off University Boulevard at Acadia Road, 1.2 miles from the University gates.

PROGRAM OF THE SESSIONS

(Time limit for each contributed paper, 10 minutes)

SATURDAY, 9.30 A.M.

Session for contributed papers, Room 201, Physics Building

(1) Asymptotic forms for Whittaker functions. Preliminary report
Professor Arthur Erdélyi and Mr. C. A. Swanson, California Institute of Technology

(2) Second order Hermitian systems of linear differential equations
Dr. M. D. Marcus and Professor B. N. Moyls, University of British Columbia

(3) Strict separation of convex sets
Professor V. L. Klee, Jr., University of Washington

(4) Semi-convexity and products of locally bounded spaces
Mr. R. T. Ives, University of Washington

(5) A moment inequality
Dr. Melvin Dresher, Rand Corporation

(6) On the zeros of some sine-like integrals
Professor A. E. Livingston, University of Washington, and Professor Lee Lorch, Fisk University

(7) $(n+1)$-curves, dualities, and Desargues' theorem
Professor T. G. Ostrom, Montana State University

(8) Free R-modules and algebras over a non-commutative ring
Professor R. A. Beaumont, University of Washington

(9) Similarity classifications of complex matrices
Dr. J. E. Maxfield, Dr. R. G. Selfridge, and Dr. J. S. Lomont, Naval Ordnance Test Station

(10) On integral representations of orders in separable algebras
Professor D. G. Higman, Montana State University

SATURDAY, 2:00 P.M.

General Session, Room 201, Physics Building

Algebraic group-varieties (One hour)
Professor Iacopo Barsotti, University of Pittsburgh and University of Southern California

SUPPLEMENTARY PROGRAM

(To be presented by title)

(11) Neighbor relations on the convex of cyclic permutations
Dr. Isadore Heller, The George Washington University

(12) Remark on Frobenius algebras
Professor D. G. Higman, Montana State University

(13) Radical rings with nilpotent associated groups
Professor S. A. Jennings, University of British Columbia

(14) On the Feller-Lundberg phenomenon in birth and death processes
Mr. P. W. M. John, University of Oklahoma
(Introduced by Professor Casper Goffman)

(15) Affine transformation group of Riemannian manifolds
Mr. Shôshichi Kobayashi, University of Washington
(Introduced by Professor C. B. Allendoerfer)

(16) Distributions defined by fundamental sequences. IV. The integral of a product and Schwartz' theory
Professor Jacob Korevaar, University of Wisconsin

(17) Distributions defined by fundamental sequences. V. Fourier series of distributions
Professor Jacob Korevaar, University of Wisconsin

(18) Inclusion of eigenvalues
Dr. Erwin Kreyszig, Stanford University

(19) Improved two step inclusion methods for eigenvalues
Dr. Erwin Kreyszig, Stanford University

(20) Partial differential equations with singular coefficients
Dr. Erwin Kreyszig, Stanford University

(21) On Cauchy's problem for partial differential equations with multiple characteristics
Mrs Anneli L. Lax, New York University

(22) On a theorem of Kuratowski
Professor Ernest Michael, University of Washington

(23) Well-founded relations; generalizations of principles of induction and recursion
Mr. Richard Montague, University of California, Los Angeles
(Introduced by Mr. Dana Scott)

(24) Asymptotic formula for the Bell numbers
Professor Leo Moser and Professor Max Wyman, University of Alberta

(25) On schlicht functions with real coefficients. Preliminary report
Dr. Edgar Reich, Institute for Advanced Study

(26) On the imbedding of a right complemented algebra into Ambrose's H^*-algebra. Preliminary report
Dr. P. P. Saworotnow, The Catholic University of America
(Introduced by Professor Choy-tak Taam)

(27) Definitions by abstraction in axiomatic set theory
Mr. Dana Scott, University of California, Berkeley

(28) On the Harnack inequality for second order elliptic differential equations
Professor J. B. Serrin, University of Minnesota

(29) General principles of induction and recursion in axiomatic set theory
Professor Alfred Tarski, University of California, Berkeley

(30) The notion of rank in axiomatic set theory and some of its applications
Professor Alfred Tarski, University of California, Berkeley

(31) An integral operator in the theory of compressible fluids
Professor A. D. Wasel, University of Santa Clara
(Introduced by Reverend T. J. Saunders)

(32) A generalization of theorems of Rellich and Atkinson
Mr. C. H. Wilcox, Air Force Research Center and Harvard University

(33) Non-Archimedean group valuations
Professor H. J. Zassenhaus, McGill University, and Professor S. A. Jennings, University of British Columbia

V. L. Klee, Jr.
Associate Secretary

Seattle, Washington
May 10, 1955

SIXTIETH SUMMER MEETING
and
THIRTY-FIFTH COLLOQUIUM

University of Michigan
Ann Arbor, Michigan
August 30–September 2, 1955

PRELIMINARY ANNOUNCEMENT

The sixtieth summer meeting and the thirty-fifth Colloquium of the American Mathematical Society will be held at the University of Michigan, Ann Arbor, Michigan, from Tuesday, August 30, through Friday, September 2. The meetings are in conjunction with the meetings of the Association for Symbolic Logic, the Econometric Society, the Institute of Mathematical Statistics, the Mathematical Association of America, and Pi Mu Epsilon.

Professor Nathan Jacobson of Yale University will deliver the Colloquium lectures entitled "Jordan algebras".

By invitation of the Committee to Select Hour Speakers for Annual and Summer Meetings, Professors Raoul Bott and Edwin Hewitt will address the Society. Professors Jacob Wolfowitz, Samuel Karlin, P. C. Rosenbloom, and Leonid Hurwicz will speak at a joint session of the Society and the Econometric Society which is on the subject of "Extremum problems".

There will be a meeting of the Council of the Society and a Business Meeting at which action on three amendments to the by-laws will be taken. The first amendment will authorize a change in the size of certain Publications Committees. The second amendment is designed to make clear that dues of an institutional member are to be based on the mathematical activity of the institutional members and are not to be considered as a substitute for publication charges. The third amendment will change the term of office of the Trustees from two years to five years.

Further details will appear in the program of the Meeting. Abstracts of contributed papers should be sent to the American Mathematical Society, 80 Waterman Street, Providence 6, Rhode Island, so as to arrive NOT LATER THAN THE DEADLINE, July 18.

J. W. T. Youngs
Associate Secretary

Bloomington, Indiana
May 9, 1955

NEWS ITEMS AND ANNOUNCEMENTS

THE FIFTH SUMMER SEMINAR OF THE CANADIAN MATHEMATICAL CONGRESS will be held at the University of Manitoba at Winnipeg, Manitoba on August 17 through September 9, 1955. The topic of the Seminar is analysis. Courses of research lectures will be given by Heinrich Behnke, W. K. Hayman, and Jean Leray. A sub-seminar will be conducted by V. Hlavatý. Instructional courses will be given by G. D. E. Duff, N. S. Mendelsohn and D. B. Sumner.

Arrangements have been made for board and lodging at the Students' Residence, University of Manitoba, at a cost of $72.00 per person, two in a room; or $84.00 per person for single occupancy. These rates cover the period of the seminar. Those who desire to make reservations or to attend with their families should communicate with Professor J. W. Lawson, Department of Mathematics, University of Manitoba, Winnipeg, Manitoba. By arrangement with the Canadian Passenger Association, members of the seminar and their families may travel by rail and steamship at one and one-half times the one-way fare for the round trip. An announcement which has been issued by the Secretariat of the Canadian Mathematical Congress gives full details as to how to take advantage of reduced transportation rates.

The seminar will be opened to qualified mathematicians. The fee for the seminar is $10.00. Application should be made to the Secretariat, Canadian Mathematical Congress, Chemistry Building, McGill University, Montreal, Canada.

THE ANNUAL MEETING OF THE MATHEMATICS DIVISION OF THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION will be held at Pennsylvania State University, University Park, Pennsylvania, on June 20–24, 1955.

On June 20th, Dr. Abe Pepinsky, Chief of Psychological Services, Norristown State Hospital, Norristown, Pa., will address the luncheon meeting on the relation of *Fourier Series and Timbre*. During the afternoon session Dr. D. L. Thomsen, International Business Machines Corp. will answer the question *Can Computers Speak for Themselves?* Then Professor Ray Pepinsky, Pennsylvania State University, will discuss the X-RAC and S-FAC and give a demonstration of these computers.

On the following afternoon, June 21st, in a conference and panel discussion on Quality Control, the participants will be: Professor Ellis R. Ott, Rutgers University, The State University of New Jersey, *Statistics in Engineering and Engineering Education; Basic Concepts;* Mr. Enoch B. Ferrell, Bell Telephone Laboratories, *Statistical Applications: Electronics;* Mr. Frank Wehrfritz, Esso Standard Oil Co., *Statistical Applica-*

tions: Chemical; Dr. Milton E. Terry, Bell Telephone Laboratories, *Statistical Applications: Research.*

Dr. R. S. Burington, Navy Department, will give his address as retiring chairman on *For what Careers should we train Mathematicians?*, June 22nd. This will be followed by a conference on linear programming: Professor A. W. Tucker, Princeton University, *Mathematics of Linear Programming;* Professor M. M. Flood, Columbia University, *Applications of Linear Programming;* Dr. Alan Hoffman, Bureau of Standards, *Computing Linear Programs.*

On Thursday, June 23rd, the mathematics part of a joint conference with the Educational Methods Division and the Physics Division will include: Dr. George W. Patterson, Burroughs Adding Machine Co., *Abstract Mathematics and the Design of Networks*, and Dr. Robert J. Wisner, Haverford College, *Some Remarks on the Theory of Matrices and Their Application to Engineering Problems.*

Requests for housing should be addressed to Professor John B. Nesbitt, Chairman, ASEE Housing Committee, 208 Main Engineering Building, University Park, Pennsylvania.

THE FIFTH CONGRESS OF THE ITALIAN MATHEMATICAL UNION WILL BE HELD ON OCTOBER 6 to 12, 1955 IN PAVIA AND TURIN. The tentive program is as follows:

Thursday, October 6 in Pavia

10:00 A.M. – Opening of the Congress
11:00 A.M. – B. Finzi, Teorie relativistiche unitarie
3:30 P.M. – Meetings of Sections

Friday, October 7 in Pavia

9:30 A.M. – L. Brusotti and V. L. Galafassi, Topologia degli enti algebrici reali
11:00 A.M. – F. G. Tricomi, Funzioni speciali
3:30 P.M. – Meetings of sections

Saturday, October 8 in Pavia

9:30 A.M. – V. Amato and G. Zappa, Teoria dei gruppi e reticoli
11:00 A.M. – Maria Cinquini Cibrario, Equazioni e sistemi di equazioni a derivate parziali a caratteristiche reali
3:30 P.M. – Meetings of sections

Monday, October 10 in Pavia

9:30 A.M. – Meeting of the Societa Italiana "Mathesis"
3:30 P.M. – Meetings of Sections

Tuesday, October 11 in Pavia

9:00 A.M. – G. Krall, Le vibrazioni in aerodinamica

11:00 A.M. – Conclusion of the meeting in Pavia

Wednesday, October 12 in Turin

10:00 A.M. – The international Guido Fubini prize.
A lecture on some subject from differential geometry.
Conclusion of the Congress

The sections of the Congress will be as follows: (1) analysis, (2) geometry, (3) mechanics and mathematical physics, (4) financial and actuarial mathematics and the calculus of probability, and statistical methodology, (5) geodesy, astronomy and astrophysics, (6) applied mathematics and numerical analysis, (7) history and philosophy of mathematics and teaching of mathematics.

As indicated in the program above, the 12th of October will be dedicated to the memory of Guido Fubini, and on this occasion an international prize in his honor will be announced.

The president of the Italian Mathematical Union invites participation in the Congress by members of the American Mathematical Society, which may take the form of scientific communications to the various sections.

THE SECOND MIDWESTERN CONFERENCE ON SOLID MECHANICS AND THE FOURTH MIDWESTERN CONFERENCE ON FLUID MECHANICS will hold a joint meeting at Purdue University, West Lafayette, Indiana on September 8–10, 1955. The joint meeting is sponsored by the American Mathematical Society, the American Institute of Chemical Engineers, the American Physical Society, the American Society of Mechanical Engineers, the Institute of Aeronautical Sciences and the Society for Experimental Stress Analysis.

These Midwestern Conferences on Solid Mechanics and Fluid Mechanics are planned to supplement the National and International Congresses of Applied Mechanics.

All workers in the field are cordially invited to submit papers for these Conferences. The papers may be in the fields of kinematics, dynamics, vibrations and waves, mechanical properties of materials, stress analysis, elasticity, plasticity, fluid mechanics and thermodynamics. The editorial requirements for papers submitted for these Conferences are briefly as follows: A complete manuscript not exceeding 4,000 words (approximately 14 pages of double-spaced typescript) and preceded by an abstract not exceeding 100 words should be submitted in duplicate to either J. L. Bogdanoff, Chairman, Editorial Committee for Solid Mechanics, Division of Engineering Sciences, Purdue University, West Lafayette, Indiana, or to Professor R. C. Binder, Chairman, Editorial

Committee for Fluid Mechanics, School of Mechanical Engineering, Purdue University, West Lafayette, Indiana. Eligibility of a paper for presentation at the Conferences and therefore publication in the Proceedings will be based on a review of only a complete manuscript. Each paper will be reviewed by recognized authorities in the particular field of interest. The Editorial Committees reserve the right to ask for such revisions of the paper necessary to make it acceptable to the printers. Manuscripts must be in the hands of the Editorial Committees before June 10, 1955, in order to be considered for the Conferences.

A CONFERENCE ENTITLED "THE COMPUTING LABORATORY IN THE UNIVERSITY" will be held by the University of Wisconsin for a two and one half day period beginning Wednesday morning, August 17, 1955. There will be addresses on the computing field in general, several short talks by the ablest users of computing equipment, and several panel discussions concerned with the role of computing in higher educational institutions. The meeting is planned so as to be of interest to administrators and educators in higher educational institutions, and to those in Government agencies and in industry who are responsibly engaged in the employment of trained personnel. Inquiries concerning the conference may be addressed to the Director of the Numerical Analysis Laboratory, 206 North Hall, The University of Wisconsin, Madison 6, Wisconsin.

A preliminary announcement of a CONFERENCE ON PARTIAL DIFFERENTIAL EQUATIONS to be held at the University of California, Berkeley, California, on June 20–July 1, 1955, appeared in the April issue of the *NOTICES*. The Conference is to be sponsored jointly by the University of California, Berkeley, the University of Kansas, and the Office of Naval Research. A program is now available for this conference. The program lists the names of about 50 expected participants, and states that series of lectures will be given by P. R. Garabedian, M. M. Schiffer, Eberhard Hopf, P. D. Lax, and Marcel Riesz. A limited number of Assistantships are available to younger mathematicians covering coach train fare and $72.00. As for housing facilities, a limited number of rooms are available at International House at $2.50 per night. Those wishing accommodations should write directly to Mrs. Mary Jane Sanford, Business Manager, International House, Berkeley 4, California.

The Conference will be followed by a six weeks summer project on Partial Differential Equations, lasting from July 3 until August 13. Participants in this project include Professors Eckmann, Milgram, Nirenberg, Riesz, and the research groups from Berkeley, Kansas, and Stanford. There will be seminars and series of lectures given by various well-

known mathematicians.

THE 1955 ANNUAL GENERAL MEETING OF THE ASSOCIATION FOR COMPUTING MACHINERY will be held at the University of Pennsylvania, on September 14–16, 1955. A preliminary announcement of this meeting was published in the April *NOTICES*. The following tentative list of topics is now announced:

Analog Computation	Statistical Applications
Numerical Analysis	Advanced Programing Techniques
Business Applications of Computers	Linear Programming Applications
Logical Algebra	Sorting Methods
Logical Design of Computers	Data Processing Techniques
Recent Systems Developments	Insurance Applications
Computation in Social Research	Digital Computer Component Development

Persons wishing to present papers at this meeting should submit three copies of abstracts of not more than 120 words to the chairman of the Program Committee, Professor J. P. Nash, Digital Computer Laboratory, University of Illinois, Urbana, Illinois, by June 15. The suggested list of topics is not necessarily exhaustive and papers on subjects concerned with computers but not listed are also solicited.

The choice of papers to be presented and determination of the final program will be made by the Program Committee after the June 15 deadline.

THE DIVISION OF FLUID DYNAMICS OF THE AMERICAN PHYSICAL SOCIETY has elected the following officers: S. Chandrasekhar, Yerkes Observatory, chairman; G. B. Schubauer, National Bureau of Standards, vice-chairman; and F. N. Frenkiel, Applied Physics Laboratory, The Johns Hopkins University, secretary-treasurer (he is the retiring chairman). The Executive Committee of the Division includes: J. C. Evvard, Lewis Flight Propulsion Laboratory, NACA; B. Lewis, Combustion and Explosive Research Inc.; H. W. Liepmann, California Institute of Technology and S. A. Schaaf, University of California at Berkeley.

PROFESSOR HEINZ HOPF, head of the Mathematics Department at the Eidgenosische Technische Hochschule in Zürich, was the recipient of an unusual honor on the occasion of his sixtieth birthday last December. Each of the thirteen papers in Volumes 28 and 29 of *Commentarii Mathematici Helvetici* was dedicated to him with the personal greetings of the author.

A MEMORIAL TO THE LATE PROFESSOR EMIL L. POST is being established at The City College of New York. The form of the memorial will depend to some extent on the response to the project. Contributions are being accepted by Professor H. P. Wirth, Chairman of the Memorial Committee, and by Professor B. P. Gill, Treasurer, The City College, New York 31, New York.

MEMOIRS OF THE AMERICAN MATHEMATICAL SOCIETY. Some interesting new numbers which are in the course of publication are as follows: MEMOIR NO. 14. *Lie Algebras and Lie Groups*. The five papers collected in this MEMOIR present some of the results achieved by the participants of the First Summer Mathematical Institute held on June 22, through July 21, 1953 at Colby College. This Summer Institute was held with the financial support of the National Science Foundation. The price of the MEMOIR is $1.30. MEMOIR NO. 15. *The Decomposition of Walsh and Fourier Series*, by I. I. Hirschman, Jr. This number will be of considerable interest to followers of the work of Littlewood, Marcinkiewicz, Paley, and Zygmund. It presents a study of multiplier transformations for Fourier and Walsh Series relative to weighted p-th norms. Application is made to the theory of fractional integration. MEMOIR NO. 16. *Produits tensoriels topologiques et espaces nucleaires*, by A. Grothendieck. This large MEMOIR is in two chapters. The first chapter gives a systematic account of the formalism of the topological tensor product of locally convex spaces. In the second chapter, specializations of particular interest in analysis are studied.

A PAPER BY LERAY AND SCHAUDER ENTITLED "TOPOLOGIE ET EQUATIONS FONCTIONELLES " (Ann. Ec. Norm. (3) 51 (1934) 45–78) has been reproduced, by a multilithic process, for local use at the University of Tennessee. With Professor Leray's permission, it is being made generally available by the Department of Mathematics of the University of Tennessee. Copies may be secured by writing before December 1, 1955 to the Department of Mathematics, University of Tennessee, Knoxville 16, Tennessee.

PROCEEDINGS OF A CONFERENCE ON COMPLEX VARIABLES. A volume presenting 20 full length articles and 11 summary articles based on the addresses delivered at the June 1953 Conference on Complex Variables held at the University of Michigan will be published in August by the University of Michigan Press. The probable price of the volume will be $10.00.

A CATALOGUE ENTITLED "EDUCATIONAL AIDS IN ENGINEERING" has been published by the American Society for Engineering Education. This seventy-two page illustrated catalogue describes nearly 300 teaching and learning aids in mathematics, mechanics, and in three branches of engineering. Copies are sold for $1.00 each by the Executive Secretary of the American Society for Engineering Education, 1201 West California, Urbana, Illinois. Payment must accompany each order.

PERSONAL ITEMS

Dr. Claude Chevalley of Columbia University has been awarded a Guggenheim Fellowship.

Assistant Professor Meyer Dwass of Northwestern University has been awarded a Northwestern University Summer Research grant for the summer of 1955.

Professor K. O. Friedrichs of New York University has been awarded a Fulbright grant to lecture at the University of Göttingen.

Assistant Professor Edwin Halfar of the University of Nebraska has been awarded a research grant-in-aid from the University Research Council for summer work.

Professor M. R. Hestenes of the University of California, Los Angeles, has been awarded Guggenheim and Fulbright grants and is on leave in Oslo, Norway.

Professor M. Gweneth Humphreys of Randolph-Macon Woman's College has been awarded a Faculty Fellowship by the Fund for the Advancement of Education, and will be on leave of absence at the University of Chicago and the University of British Columbia.

Professor Marston Morse of the Institute for Advanced Study was awarded the honorary degree of Doctor of Science by the University of Maryland on March 25, 1955.

Professor H. B. Ribeiro of the University of Nebraska has been awarded a research grant-in-aid from the University Research Council for summer work.

Assistant Professor M. A. Rosenlicht of Northwestern University has been awarded a Fulbright Fellowship and is spending the present academic year in Rome.

Assistant Professor George Springer of Northwestern University has been awarded a Fulbright Fellowship and is on leave of absence in Münster, Germany.

Professor A. E. Taylor of the University of California, Los Angeles, has been awarded a Fulbright grant to Mainz, Germany.

Professor J. H. Van Vleck of Harvard University was awarded the honorary degree of Doctor of Science by the University of Maryland on March 25, 1955.

Dr. W. R. Wasow of the University of California, Los Angeles, has been awarded a Fulbright fellowship and is on leave of absence in Rome.

Professor G. W. Whitehead of the Massachusetts Institute of Technology has been awarded a Guggenheim Fellowship and will be on leave at Oxford University and the University of Paris.

Associate Professor P. M. Batchelder of the University of Texas

has retired.

Dr. E. L. Crow of the U. S. Naval Ordnance Test Station, China Lake, California, has accepted a position as statistician with the Boulder Laboratories of the National Bureau of Standards.

Dr. B. V. Dean of the Defense Department, Washington, D. C. has accepted a position as research mathematician with Operations Research, Incorporated, Silver Spring, Maryland.

Dr. T. C. Doyle of the Naval Research Laboratory, Washington, D.C., has accepted a position as staff member with the Los Alamos Scientific Laboratory.

Mr. J. S. Elston of the Travelers Insurance Company has retired.

Mr. D. O. Etter, Jr. of Tulane University has accepted a position as a chemist with the International Lubricant Corporation, New Orleans, Louisiana.

Dr. Elvy L. Fredrickson of Oregon State College has been appointed to an associate professorship at Lewis and Clark College.

Dr. A. O. Garder has accepted a position with the International Business Machines Corporation.

Professor C. B. Gentry of Oakwood College has accepted a position as mathematician with the Naval Ordnance Laboratory, Corona, California.

Dr. P. S. Herwitz of the Institute for Cooperative Research, Johns Hopkins University, has accepted a position as mathematician with the International Business Machines Corporation, Washington, D. C.

Dr. R. E. von Holdt of the Douglas Aircraft Company has accepted a position as physicist with the Radiation Laboratory, University of California, Livermore, California.

Dr. L. N. Howard of Princeton University has been appointed to an assistant professorship at the Massachusetts Institute of Technology.

Assistant Professor Bjarni Jónson of Brown University will be on leave of absence during the coming academic year and has been appointed to a visiting associate professorship at the University of California, Berkeley.

Mr. J. H. Kaplan has accepted a position as mathematician with the Frankford Arsenal, Philadelphia, Pa.

Professor T. C. Koopmans of the University of Chicago has been appointed to a professorship in economics at Yale University.

Professor R. E. Langer of the University of Wisconsin is on leave of absence, and has a contract with the Department of the Air Force, Air Research and Development Command.

Dr. J. J. Levin of Purdue University has been appointed a visiting lecturer at the Massachusetts Institute of Technology.

Dr. S. C. Lowell of the Office of Naval Research has been appointed to an associate professorship at New York University.

Professor F. R. Morris of the Fresno State College will retire on July 1.

Assistant Professor D. R. Morrison of Tulane University has accepted a position as staff member with the Sandia Corporation.

Dr. G. G. Murray of the Applied Physics Laboratory, Johns Hopkins University, has accepted a position as systems engineer with the Radio Corporation of America, Moorestown, New Jersey.

Dr. C. V. Newsom of the State University of New York has been appointed executive vice chancellor of New York University.

Mr. J. B. O'Toole of the University of Pittsburgh has accepted a position as projects engineer with the Philco Corporation, Philadelphia, Pennsylvania.

Dr. L. L. Philipson of the Lockheed Aircraft Corporation has accepted a position as research engineer with the Hughes Research and Development Laboratories, Culver City, California.

Dr. Philip Rabinowitz of the National Bureau of Standards has accepted a position as mathematician with the Weizmann Institute of Science, Rehovot, Israel.

Dr. Hartley Rogers, Jr. of Harvard University has been appointed a visiting lecturer at the Massachusetts Institute of Technology.

Dr. Raphael Salem of the Massachusetts Institute of Technology has been appointed a lecturer at the Institut Henri Poincaré, Paris.

Mr. O. K. Smith of Princeton University has accepted a position as a member of the technical staff with the Ramo-Wooldridge Corporation.

Dr. R. G. Stoneham of the University of California, Berkeley, has accepted a position as mathematician with Logistics Research, Incorporated, Redondo Beach, California.

Miss Dorothy M. Swan of Monticello College has been appointed to an assistant professorship at the State Teachers College, Cortland, New York.

Professor D. V. Widder of Harvard University will be on leave of absence for the academic year 1955–56.

Professor Norbert Wiener of the Massachusetts Institute of Technology will be on leave of absence during the academic year of 1955–56 in India.

The following promotions are announced:

R. W. Brink, University of Minnesota, to Acting Assistant Dean of the College of Science, Literature and the Arts.

A. B. Brown, Queens College, to a professorship.

E. W. Cannon, National Bureau of Standards, to Chief of the Applied Mathematics Division.

Douglas Derry, University of British Columbia, to a professorship.

Roy Dubisch, Fresno State College, to a professorship.

L. K. Durst, Rice Institute, to an assistant professorship.

Leon Ehrenpreis, Johns Hopkins University, to an assistant professorship.

H. Margaret Elliott, Washington University, to an associate professorship.

A. G. Fadell, University of Buffalo, to an assistant professorship.

V. H. Haag, Franklin and Marshall College, to an associate professorship.

L. J. Heider, Marquette University, to an assistant professorship.

I. I. Hirschman, Jr., Washington University, to a professorship.

Kenkichi Iwasawa, Massachusetts Institute of Technology, to an associate professorship.

Marguerite Lehr, Bryn Mawr College, to a professorship.

R. W. MacDowell, University of Rochester, to an assistant professorship.

Rhoda Manning, Oregon State College, to an associate professorship.

W. S. Massey, Brown University, to a professorship.

F. I. Mautner, Johns Hopkins University, to an associate professorship.

L. I. Mishoe, Morgan State College, to a professorship.

W. E. Moore, Redstone Arsenal, to chief of the Data Reduction Section.

P. S. Mostert, Tulane University, to an assistant professorship.

B. N. Moyls, University of British Columbia, to an associate professorship.

L. A. Ondis, II, Atomic Power Division, Westinghouse Electric Corporation, to associate scientist.

I. F. Ritter, New York University, to a professorship.

David Rubinfien, Armour Research Foundation, Illinois Institute of Technology, to senior scientist.

Seymour Schuster, Polytechnic Institute of Brooklyn, to an assistant professorship.

W. H. Simons, University of British Columbia, to an associate professorship.

F. M. Stewart, Brown University, to an associate professorship.

E. A. Trabant, Purdue University, to an associate professorship.

Warren Weaver, Rockefeller Foundation, to Vice-President for Natural and Medical Sciences.

The following appointments to instructorships are announced:

Brown University: Mr. Paul Slepian; Cornell University: Mr. H. K. Flesch; University of Detroit: Dr. J. H. Powell; Los Angeles City College: Mr. R. V. Benson; Massachusetts Institute of Technology: Dr. A. P. Mattuck, Dr. W. F. Reynolds; University of Michigan: Dr. P. J. Koosis; Northwest Missouri State College: Mr. D. E. Coffey; Ohio State University: Mr. J. M. Osborn; Purdue University: Dr. G. L. Krabbe; University of Rochester: Mr. W. A. Small; Rutgers University: Dr. R. K. Brown; Tulane University: Mr. J. G. Horne.

Professor J. W. Campbell of the University of Alberta died on January 23, 1955 at the age of sixty-five years. He had been a member of the Society for thirty-seven years.

Dr. J. B. Coleman of Columbia, South Carolina, died on February 21, 1955 at the age of sixty-nine years. He had been a member of the Society for thirty-two years.

Dr. A. P. Cowgill of Syracuse, New York, died on March 22, 1955 at the age of sixty-four years. He had been a member of the Society for twenty years.

Dr. D. S. Jacobus of Montclair, New Jersey, died on February 11, 1955 at the age of ninety-three years. He had been a member of the Society for sixty-three years.

Professor Emeritus J. M. Kinney of Wilson Junior College, Chicago, Illinois, died on January 19, 1955 at the age of seventy-seven years. He had been a member of the Society for thirty-four years.

Professor J. R. Kline of the University of Pennsylvania died on May 2, 1955 at the age of sixty-three years. He had been a member of the Society for thirty-nine years.

Professor Emeritus C. N. Reynolds of West Virginia University died on December 15, 1954 at the age of sixty-four years. He had been a member of the Society for forty years.

Professor Emeritus L. L. Smail of Lehigh University died on January 26, 1955 at the age of sixty-six years. He had been a member of the Society for forty-four years.

NEW PUBLICATIONS

Achieser, N. I., and Glasmann, I. M. *Theorie der linearen Operatoren im Hilbert-Raum.* Berlin, Akademie-Verlag, 1954. 13+369 pp. 28.00 DM.

Bartlett, M. S. *An introduction to stochastic processes, with special reference to methods and applications.* Cambridge University Press, 1955. 14+312 pp. $6.50.

Bateman, H. See Erdélyi, A.

Beth, E. W. *Les fondements logiques des mathématiques.* 2d ed. Paris, Gauthier-Villars, 1955. 15+241 pp. 2500 fr.

Beyer, R. T. See von Neumann, J.

Biernacki, M. *Geometria różniczkowa.* [Differential geometry.] Part one. Warsaw, Państwowe Wydawnictwo Naukowe, 1954. 240 pp. 21.35 zł.

Booth, A. D. *Numerical methods.* New York, Academic Press, 1955. 7+195 pp. $6.00.

Borel, E., Deltheil, R., and Huron, R. *Probabilités, erreurs.* 9th ed. Paris, Colin, 1954. 220 pp. 250 fr.

Cauer, W. *Theorie der linearen Wechselstromschaltungen.* 2d ed. Berlin, Akademie-Verlag, 1954. 24+769 pp. 48.00 DM.

Chevalley, C. *Class field theory,* Nagoya, Nagoya University, 1954. 2+104 pp.

Collatz, L. *Numerische Behandlung von Differentialgleichungen.* 2d ed. Berlin, Springer, 1955. 15+526 pp., 1 plate. 59.60 DM.

Computer development (SEAC and DYSEAC) at the National Bureau of Standards. (National Bureau of Standards Circular 551.) Washington, Government Printing Office, 1955. 146 pp., 17 half tone illustrations, 58 graphs, 27 tables. $2.00.

Cramér, H. *The elements of probability theory and some of its applications.* New York, Wiley, 1955. 281 pp. $7.00.

Crosby, H. L. Jr. See Thomas of Bradwardine.

Deltheil, R. See Borel, E.

Dequoy, N. *Axiomatique intuitionniste sans négation de la géométrie projective.* Paris, Gauthier-Villars, 1955. 108 pp. 1250 fr.

Dörrie, H. *Praktische Algebra.* Munich, Oldenbourg, 1955. 8+259 pp. 24.00 DM.

Dubreil, P. *Les relations d'équavalence et leurs principales applications.* Université de Paris, 1954. 22 pp. 88 fr.

Dugas, R. *La mécanique au XVII^e siècle. (Des antécédents scolastiques à la pensée classique.)* Neuchâtel, Griffon, 1954. 620 pp.

Erdélyi, A., Magnus, W., Oberhettinger, F., and Tricomi, F. G. *Higher transcendental functions.* Vol. III. Based, in part, on notes left by Harry Bateman. New York, McGraw-Hill, 1955. 17+292 pp. $6.50.

Experiments in the computation of conformal maps. Ed. by J. Todd. (National Bureau of Standards Applied Mathematics Series, no. 42.) Washington, Government Printing Office, 1955. 61 pp. $0.40.

Faddeeva, V. N., and Terent'ev, N. M. *Tablicy značeniĭ funkcii* $w(z) = e^{-z^2}(1+(2i/\pi^{1/2})\int_0^z e^{t^2}dt)$ *ot kompleksnogo argumenta.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 268 pp. 19.70 rubles.

Fempl, S. *Teorija redova za studente viših pedagoških škola i za nastavnike.* [Theory of series for students of higher padagogical schools and for teachers.] Belgrade, Naučna Knjiga, 1954. 4+135 pp.

Février, P. *Déterminisme et indéterminisme.* Paris, Presses Universitaires de France, 1955. 12+250 pp. 1000 fr.

Glasmann, I. M. See Achieser, N. I.

Gončarov, V. L. *Teoriya interpolirovaniya i priblizheniya funkciĭ.* 2d ed. Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 327 pp. 15.95 rubles.

ter Haar, D. *Elements of statistical mechanics.* New York, Rinehart, 1954. 19+468 pp. $8.50.

Hardy, G. H., and Wright, E. M. *An introduction to the theory of numbers.* 3d ed. Oxford, Clarendon, 1954. 16+419 pp. $6.75.

Die Hauptreferate des 8. Polnischen Mathematikerkongresses, Warschau, September 1953. Berlin, Deutscher Verlag der Wissenschaften, 1954. 125 pp.

Hayashi, K. *Fünfstellige Tafeln der Kreis- und Hyperbelfunktionen sowie der Funktionen* e^x *und* e^{-x} *mit den natürlichen Zahlen als Argument.* Berlin, de Gruyter, 1955. 2+182 pp. 12.00 DM.

Hecke, E. *Vorlesungen über die Theorie der algebraischen Zahlen.* 2d ed. Leipzig, Geest and Portig, 1954. 8+264 pp. 11.00 DM.

Heilbronn, G. *Intégration des équations aux dérivées partielles du second ordre par la méthode de Drach.* (Mémor. Sci. Math., no. 129.) Paris, Gauthier-Villars, 1955. 99 pp. 1300 fr.

Hermes, H. *Einführung in die Verbandstheorie.* Berlin, Springer, 1955. 8+164 pp. 22.80 DM.

Huron, R. See Borel, E.

Jones, B. W. *The theory of numbers.* New York, Rinehart, 1955. 11+143 pp. $3.75.

Julia, G. *Cours de géométrie infinitésimale.* Book 4. *Cinématique et géométrie cinématique.* Part 2. *Étude approfondie du mouvement d'un corps solide.* 2d ed. Paris, Gauthier-Villars, 1955. 88 pp. 1600 fr.

Karpov, K. A. *Tablicy funkcii* $w(z) = e^{-z^2}\int_0^z e^{x^2}dx$ *v kompleksnoĭ oblasti.* Moscow, Izdat. Akad. Nauk SSSR, 1954. 536 pp., 1 insert. 61 rubles.

Karpov, K. A. *Tablicy koèfficientov interpolyacionnoĭ formuly Lagranža. Priloženie k tablicam funkcii* $w(z) = e^{-z^2} \int_0^z e^{x^2} dx$ *v kompleksnoĭ oblasti.* Moscow, Izdat. Akad. Nauk SSSR, 1954. 79 pp.

Kelley, J. L. *General topology.* New York, Van Nostrand, 1955. 14+298 pp.

Kobrinskiĭ, N. E. *Matematičeskie mašiny nepreryvnogo deĭstviya. Osnovy ih ustroĭstva.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 447 pp. 16.05 rubles.

Kurosch, A. G. *Algebraische Gleichungen beliebigen Grades.* Berlin, Deutscher Verlag der Wissenschaften, 1954. 35 pp.

Leblanc, H. *An introduction to deductive logic.* New York, Wiley, 1955. 12+244 pp. $4.75.

Leja, F. *Geometria analityczna.* Warsaw, Państwowe Wydawnictwo Naukowe, 1954. 288 pp. 22.50 zł.

Lense, J. *Kugelfunktionen.* 2d ed. Leipzig, Geest and Portig, 1954. 13+294 pp. 26.00 DM.

Lietzmann, W. *Anschauliche Topologie.* Munich, Oldenbourg, 1955. 172 pp. 14.80 DM.

Lipsich, H. D. See Szász, O.

Magnus, W. See Erdélyi, A.

Mandelstam, S. See Yourgrau, W.

Markuschewitsch, A. I. *Bemerkenswerte Kurven.* Berlin, Deutscher Verlag der Wissenschaften, 1954. 30 pp.

Mazet, R. *Mécanique vibratoire.* Paris, Béranger, 1955. 19+280 pp. 4975 fr.

A million random digits with 100,000 normal deviates. By the RAND Corporation. Glencoe, Ill., The Free Press, 1955. 25+200 pp. $10.00.

Mostowski, A., and Stark, M. *Algebra wyższa.* [Higher algebra.] Part 3. Warsaw, Państwowe Wydawnictwo Naukowe, 1954. 6+273 pp. 17.30 zł.

von Neumann, J. *Mathematical foundations of quantum mechanics.* Trans. by R. T. Beyer. Princeton University Press, 1955. 12+445 pp. $6.00.

Otradnyh, F. P. *Matematika XVIII veka i akademik Leonard Eĭler.* Moscow, Gosudarstv. Izdat. "Sovetskaya Nauka", 1954. 39 pp. .70 rubles.

Oberhettinger, F. See Erdélyi, A.

Pai, S. I. *Fluid dynamics of jets.* New York, Van Nostrand, 1954. 15+227 pp. $5.00.

Petiau, G. See Poincaré, H.

Petrowski, I. G. *Vorlesungen über die Theorie der gewöhnlichen Differentialgleichungen.* Leipzig, *Teaubner,* 1954. 198 pp. 7.80 DM.

Pincherle, S. *Opere Scelte.* Vol. II. Ed. by the Unione Matematica Italiana. Rome, Cremonese, 1954. 493 pp. 4500 Lire.

Poincaré, H. *Oeuvres de Henri Poincaré.* Vol. IX. Published under the auspices of the Académie des Sciences for the Section de Géométrie. Published with the collaboration of G. Petiau. Paris, Gauthier-Villars, 1954. 16+704 pp., 1 plate.

Popoff, K. *Die Hauptprobleme der äusseren Ballistik im Lichte der modernen Mathematik.* Leipzig, Geest and Portig, 1954. 15+278 pp. 22.00 DM.

Popov, E. P. *Dinamika sistem avtomatičeskogo regulirovaniya.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 798 pp. 24.50 rubles.

Primrose, E. J. F. *Plane algebraic curves.* New York, St. Martin's Press, 1955. 7+111 pp. $3.00.

Proceedings of operations research conference by Society for Advancement of Management, New York, 1954. New York, Society for Advancement of Management, 1954. 356 pp. (mimeographed). $15.00.

Proceedings of the Eastern Joint Computer Conference, Washington, D. C., 1953. New York, Institute of Radio Engineers, Inc., 1954. 125 pp. $3.00.

Proceedings of the international conference of theoretical physics, Kyoto and Tokyo, 1953. Tokyo, Science Council of Japan, 1954. 28+947 pp. $10.00.

Proceedings of the symposium on information networks, New York, April, 1954. Polytechnic Institute of Brooklyn, 1955. 19+328 pp.

Proceedings of the symposium on operations research in business and industry, April, 1954. Kansas City, Midwest Research Institute, 1954. 4+185 pp. $5.00.

Radványi, B. *Involut.* [Involute.] Budapest, Nehézipari Kŏnyvkiadó, 1954. 5+189 pp. 55 ft.

Rašković, D. P. *Osnovi numeričkog računanja.* [The elements of numerical computation.] Belgrade, Građevinska Knjiga, 1954. 8+168 pp.

de Rham, G. *Variétés différentiables. Formes, courants, formes harmoniques.* (Actualités Sci. Ind., no. 1222.) Paris, Hermann, 1955. 7+196 pp. 2000 fr.

Richard, U. *Teoria delle funzioni.* Torino, Rosenberg and Sellier, n.d. 7+367 pp. 2800 lire.

Rosser, J. B. *Deux esquisses de logique.* Paris, Gauthier-Villars, 1955. 69 pp. 900 fr.

Rudinger, G. *Wave diagrams for nonsteady flow in ducts.* New York, Van Nostrand, 1955. 11+278 pp. $6.00.

Šafarevič, I. R. *O rešenii uravnenii vysših stepenei.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 24 pp. .40 rubles.

Sarymsakov, T. A. *Osnovy teorii processov Markova.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 208 pp. 8.05 rubles.

Šerbatov, V. G. *Giperboličeskie funkcii.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 56 pp. .80 rubles.

Sierpiński, W. *Trójkaty pitagorejskie.* [Pythagorian triples.] Warsaw, Państwowe Wydawnictwo Naukowe, 1954. 94 pp. 7.50 zł.

Šilov, G. E. *Lekcii po vektornomy analizu.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 139 pp. 2.65 rubles.

Ślebodziński, W. *Formes extérieures et leurs applications.* Vol. I. (Monografie Matematyczne, Vol. 31.) Warsaw, Państwowe Wydawnictwo Naukowe, 1954. 6+154 pp. 24.60 zł.

Smirnow, W. I. *Lehrgang der höheren Mathematik.* Part III, 1. Berlin, Deutscher Verlag der Wissenschaften, 1954. 7+283 pp. 14.00 DM.

Sonin, N. Y. *Issledovaniya o cilindričeskih funkciyah i special'nyh polinomah.* Moscow, Gosudarstv. Izdat. Tehn.-Teor. Lit., 1954. 244 pp., 1 plate. 6 rubles.

Stark, M. See Mostowski, A.

Stoilow, S. *Teoria functiilor de o variabilă complexă.* Vol. I. *Noţiuni şi principii fundamentale.* [Theory of functions of a complex variable. Vol. I. Notions and fundamental principals.] Bucharest, Editura Academiei Republicii Populare Române, 1954. 308 pp. 10.65 Lei.

Sturrock, P. A. *Static and dynamic electron optics. An account of focusing in lens, deflector and accelerator.* Cambridge University Press, 1955. 7+230 pp. $6.00.

Szász, O. *Collected mathematical papers.* Ed. by H. D. Lipsich. New York, Hafner, 1955. 14+1432 pp. $20.00.

Tables of sines and cosines for radian arguments. (National Bureau of Standards Applied Mathematics Series, no. 43.) Washington, Government Printing Office, 1955. 13+278 pp. $3.00.

Tablicy integral'nogo sinusa i kosinusa. Moscow, Izdat. Akad. Nauk SSSR, 1954. 473 pp., 2 inserts. 43.75 rubles.

Taton, R. *L'histoire de la géométrie descriptive. Les conférences du Palais de la Découverte.* Universite de Paris, 1954. 25 pp.

Terent'ev, N. M. See Faddeeva, V. N.

Thébault, V. *Parmi les belles figures de la géométrie dans l'espace. (Géométrie du tétraèdre.)* Paris, Vuibert, 1955. 16+287 pp. 2000 fr.

Thomas of Bradwardine. *Tractatus de proportionibus. Its significance for the development of mathematical physics.* Ed. and trans. by H. L. Crosby, Jr. Madison, University of Wisconsin Press, 1955. 11+203 pp. $3.50.

Todd, J. See *Experiments in the computation of conformal maps.*

Tricomi, F. G. *Funzioni ipergeometriche confluenti.* Rome, Cremonese, 1954. 16+312 pp., 25 figs. 3.500 lire.

Tricomi, F. G. See Erdélyi, A.

Vega, G. *Tablicy semiznačnyh logarifmov.* Moscow, Izdat. Geodez. i Kartograf. Lit., 1954. 560 pp. 31 rubles.

Vernić, R. *Diskussion der Sundmanschen Lösung des Dreikörperproblems.* Zagreb, Jugoslavenska Akademija Znanosti i Umjetnosti, 1954. 146 pp. 1140 Din.

Ward, G. N. *Linearized theory of steady high-speed flow.* Cambridge University Press, 1955. 15+243 pp. $6.00.

Weyl, H. *Die Idee der Riemannschen Fläche.* 3d ed. Stuttgart, Teubner, 1955. 8+162 pp. 22.00 DM.

Worbs, E. *Carl Friedrich Gauss. Ein Lebensbild.* Leipzig, Koehler and Amelang, 1955. 236 pp. 7.50 DM; $1.79.

Wright, E. M. See Hardy, G. H.

Yourgrau, W., and Mandelstam, S. *Variational principles in dynamics and quantum theory.* London, Pitman, 1955. 9+155 pp. $5.50.

Zamansky, M. *La sommation des séries divergentes.* (Mémor. Sci. Math., no. 128.) Paris, Gauthier-Villars, 1954. 64 pp. 700 fr.

Zappa, G. *Gruppi, corpi, equazioni.* Ed. by R. Permutti. 2d ed. Naples, Liguori, 1954. 312 pp.

Życzkowski, M. *Tablice funkcyj Eulera i pokrewnych.* [Tables of Euler's and related functions.] Warsaw, Państwowe Wydawnictwo Naukowe, 1954. 70 pp. 12. zł.

CHANGE IN DATE OF OCTOBER MEETING IN COLLEGE PARK, MARYLAND

Your attention is invited to the change in date of the October meeting at College Park, Maryland. The meeting formerly was scheduled for October 29, 1955, but the date has now been changed to October 22, 1955. The deadline for abstracts is September 8, 1955.

BEQUESTS TO THE SOCIETY

Members and friends of the American Mathematical Society are once again reminded that gifts and bequests to the Society are deductible for income, gift, and estate tax purposes.

In the January 1952 Bulletin of the Society a statement relative to the position of the Society regarding gifts and legacies was published over the signature of Professor E. G. Begle, the Secretary. More than three years have elapsed since the publication of this statement, so it seems appropriate to repeat it here, as it still accurately reflects the viewpoint of the Society on the matter.

"The Council and the Board of Trustees of the Society wish to remind the members that legacies to the Society are invited and deeply appreciated, whether the amount be large or small. Indeed, the greatest hope of the Society lies in a multiplicity of small bequests. No one wishing to assist the Society should hesitate because his gift may be small. Those who are not in a position to assist the Society in this way may wish to call the attention of others to this method of furthering the cause of mathematics.

"The relative value of any gift, small or large, to the Society is believed to be inestimably greater than the relative value of a similar gift to a university or other organization of greater scope and diverse purposes. The funds of the Society go directly into the advancement of mathematical research, and a small increase in the Society's funds will be more promptly and effectively reflected in a corresponding increase in activity than would be likely through any other channel.

"The Society naturally prefers bequests of money which may be used, without restrictions, for its general work. However, funds restricted to certain purposes set forth by the donor will also be helpful provided they are not restricted unduly. For example, funds for the support of any or all of the Society's publications would be most welcome. Any of the officers of the Society will be happy to consult with prospective donors

on these matters.

"It is the policy of the Society to recognize a donor by attaching his name, or any other name specified by him as a memorial, to the fund given by him or to the activities supported by the fund.

"The following sample form of bequest shows the legal name of the Society.

"'I give and bequeath to the American Mathematical Society (a corporation organized under the laws of the District of Columbia) the sum of ..... dollars.'

"Gifts and bequests to the Society are deductible for income, gift, and estate tax purposes."

MEMORANDUM TO MEMBERS

SUMMER ADDRESSES

Members who will have temporary summer addresses are requested *not* to require the American Mathematical Society to mail their journals directly to these temporary addresses, unless there are special reasons for doing so. The chief reason for this is that for each of the scientific journals of the Society there is a lapse of from four to five weeks between the closing of the mailing lists and the delivery of the journals. Experience in the past has shown that temporary summer changes of address not only create an overload on the office staff of the Providence Office, but also result in a large number of journals being returned by the post-office.

The Society will however be happy to hold journals for members at the Providence Office over the summer period, and furthermore will be glad to mail out the *NOTICES* specially to temporary summer addresses. If you desire this service, please fill in the form below and send it to the Providence Office.

Name in full .....
(Please print) Last First Middle or Maiden

( )Mr. ( )Miss ( )Mrs. ..... Highest Earned Degree .....
Husband's Initials

I shall have the following temporary summer address: .....

.....

Effective from ..... to .....

Unless the Providence Office is otherwise notified, if you file this form your scientific journals will be held during the indicated period at the Providence Office. Mailing will be resumed on the second date indicated, to the permanent address *now on the mailing list.* At this time all accumulated journals will be mailed. The August issue of the NOTICES, which will contain the program of the summer meeting, will be mailed to your temporary summer address.